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COMPLETE SPECIFICATION.

Communicated from abroad by **MATHIAS REIMANNS**, of Valkenburg (L), Holland,
Physician.

Improved Springless Truss.

I, **HERBERT SEFTON-JONES**, of the Firm of **W. P. Thompson and Co.**, British and Foreign Patent Solicitors, 322, High Holborn, in the County of Middlesex, 6, Lord Street, Liverpool, and 6, Bank Street, Manchester, both in the County of Lancashire, and Lower Temple Street, Birmingham, in the County of Warwick,
5 Chartered Patent Agent, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

The present invention relates to a truss, which has no spring and is distinguished by this and other advantages, and calculated to render special service
10 for the treatment of hernia.

It is well known that the usual truss provided with a spring is not efficient in restraining hernia, because the spring cannot have sufficient force to effectively press in the part, without occasioning the patient severe pain, either in the back or at the place of the injury.

15 Moreover such a spring truss rarely fits the body properly, consequently it is liable to be displaced and to allow the hernia to escape. Moreover the ordinary truss inconveniences the wearer in his work, especially in the case of manual labour, causing him to lay it aside, whereby he may become permanently disabled.

20 Attempts have been made to replace the springs by bands of india rubber; but these also do not realise the required painless action nor are they efficient in the requisite support. Their imperfections are especially manifest in the case of a double hernia which must be efficiently supported.

The improved truss which forms the subject of the present application for
25 Letters Patent is designed to obviate these drawbacks. It is illustrated in the accompanying drawings in which

The truss consists of the elastic band 1 capable of being lengthened as requisite, without loss of elasticity on application or by use.

To one side thereof is fixed the plate 2 with two studs 3 and 4 and there is fixed
30 at the other side a strong (preferably calf leather) strap S with holes by which it is secured on the stud 3 of the plate. There is also attached to this end of the strap an adjustable plate 6 usually made somewhat smaller than the first plate, but may be of any convenient size.

At suitable distances and transversely with regard to the main band are attached
35 thereto two narrower bands 7 and 8, also elastic. They are adjustable by means of buckles 9 9 and have each at their end a strap 10 with holes attachable to the stud 4 of the plate 2 and to the stud 11 of the adjustable plate 6 respectively.

The application of the truss is as follows:—

The patient passes it round his body and adjusts the fixed plate 2 over the
40 injured part. In case of a double hernia (Fig. 3) one of which is usually smaller than the other, then the adjustable plate 6 is used to cover the smaller one.

[*Price 8d.*]

Sefton-Jones's Improved Springless Truss.

He then fastens the large strap as tightly as he can bear, and secures the leather strap 5 (having perforated it at the required point) on the stud 3 of the fixed plate. If a double hernia, the plates are both fixed one over each. In order to prevent displacement of the plates, the narrow elastic band passing from the side and adjustable by the buckle 9 is passed under the leg and drawn forwards 5 and tightly fixed by means of its strap 10 to the stud 3.

In a double hernia the same arrangement is made with the narrow elastic band 7 attached to the adjustable plate 6.

It is obvious that the fixed plate 2 can be shifted to the right or left according to the position of the injury. The advantage of this springless truss is obvious. 10

It is applicable without pain, and can be worn easily even with great pressure, because the elastic band woven for this purpose always retains its elasticity.

Moreover it applies itself closely to the body without giving pain whilst yielding to every motion without shifting from its place. The plate or plates are held securely upon the hernia (single or double) by the bands, and the latter are 15 adjustable to the size of the patients body. In a double hernia, when one is cured, the plate may be removed and the truss adjusted for the other one only as above described for a single hernia.

The inventor considers that the above advantages are attainable in their entirety only by his improved truss; it will support even very large protrusions 20 painlessly without hindering the patient in his work.

Finally the truss is very durable.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:— 25

The improved truss for single or double hernia constructed and operated substantially as described and shown in the accompanying drawings.

Dated the 3rd day of February 1900.

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Fig. 1.

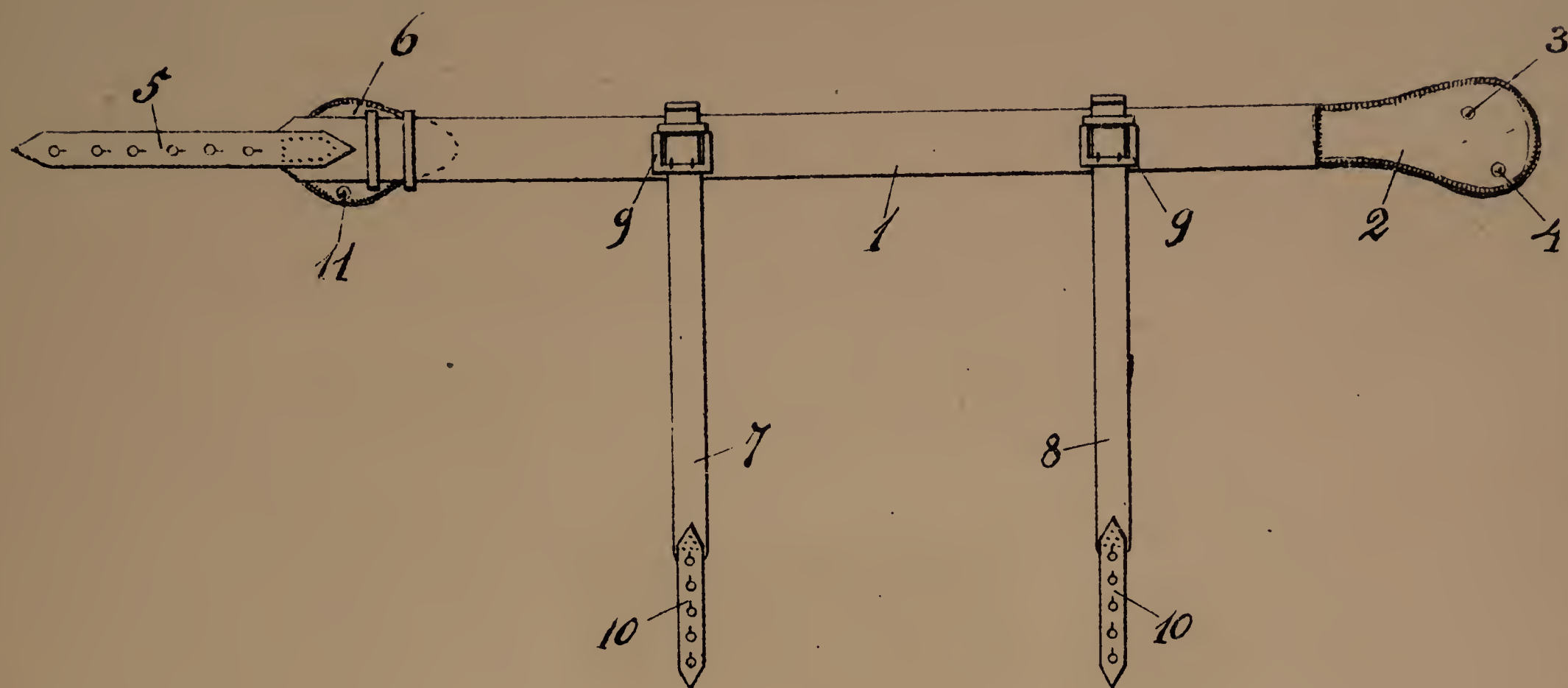


Fig. 2.

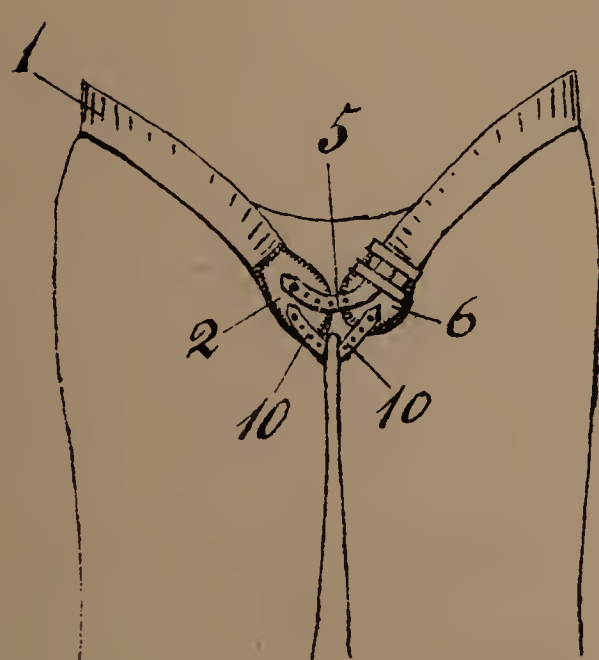
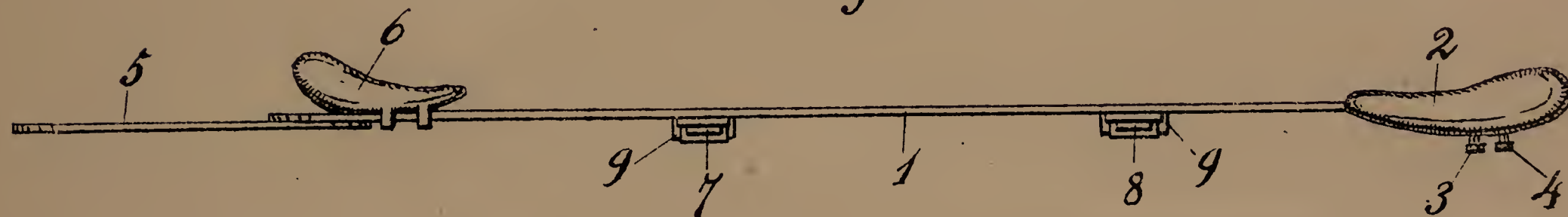


Fig. 3.

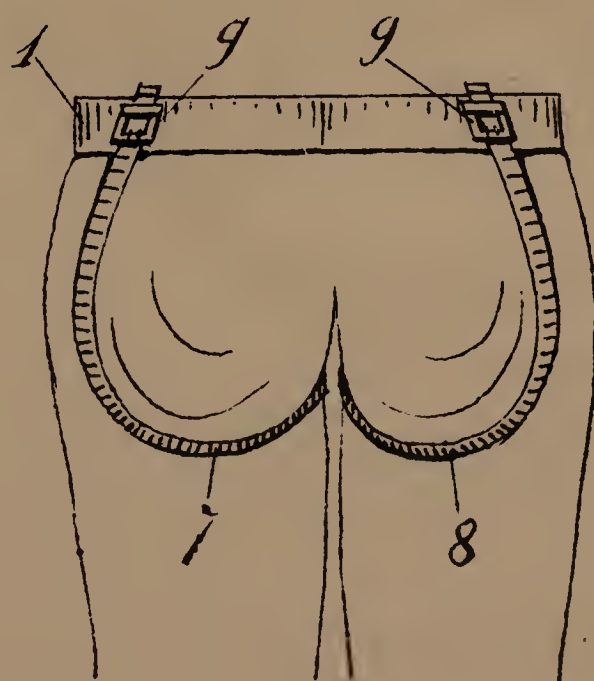


Fig. 4.

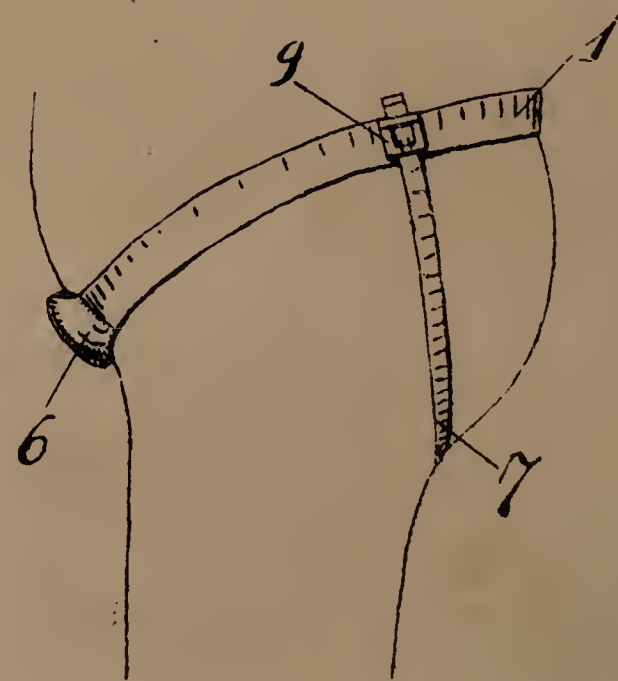


Fig. 5.

[This Drawing is a reproduction of the Original on a reduced scale.]

